

Environmental Restoration Project



Area of Concern (AOC) No. 1024: MO 242-245 Septic System (TA-III)

ADS: 1295

Operable Unit: Septic Tanks and Drainfields

Site History	1
Constituents of Concern.....	1
Current Hazards	1
Current Status of Work	1
Future Work Planned	2
Waste Volume Estimated/Generated	2

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Site History

Historical SNL/NM Facilities Engineering drawings indicate that this system consisted of a septic tank and drainfield located approximately 90 feet northwest of the mobile office (MO) complex that included MOs 242 through 245. This system was located immediately north of the northern TA-III perimeter fence. It is assumed that this septic system was abandoned in the early 1990s when the City of Albuquerque sanitary sewer system was extended into TA-III. No other historical research has been conducted for this site.

Constituents of Concern

Constituents of concern for this site are unknown.

Current Hazards

No known surface hazards have been identified. Analytical data for soil samples collected at the site had not been compiled as of November 2001; therefore potential subsurface environmental hazards are unknown.

Current Status of Work

Samples were collected from the septic tank in late 1990 or early 1991, 1992, and 1995 for waste characterization purposes. Residual tank contents were pumped out and the tank cleaned in February 1996.

A backhoe was used to expose and locate the drainfield drain lines in May 1997.

Shallow soil samples were collected from three borings drilled in the drainfield area in July 1998 and again in August 1999. These samples were analyzed for volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), total cyanide, high explosive (HE) compounds, metals, and radionuclides.

Future Work Planned

Analytical results for the soil samples collected in 1998 and 1999 will be compiled and reviewed.

This site may be selected for deeper environmental characterization sampling if analytical results from the shallow sampling indicate potentially significant contamination at depth.

Waste Volume Estimated/Generated

A total of 775 gallons of effluent (including water introduced to facilitate pumping) was removed from the septic tank in February 1996. No environmental characterization or remediation waste has been generated at the site to date.

Information for ER Site 1020 was last updated Dec 17, 2001.